# IAP12 Rec'd PCT/PTO 23 AUG 2006

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

ZHDANOV, MICHAEL

**APPLICATION NO.:** 

N/A

FILED:

August 23, 2006

TITLE:

METHOD AND APPARATUS FOR GRADIENT

ELECTROMAGNETIC INDUCTION WELL LOGGING

**DOCKET NO.:** 

007130.00013

**ART UNIT:** 

**UNKNOWN** 

**EXAMINING ATTORNEY: UNKNOWN** 

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### INFORMATION DISCLOSURE STATEMENT

Sir:

It is respectfully requested that the documents listed on the attached form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein.

Copies of the following references are included:

(a) International Search Report and documents referred to therein dated September 2, 2004; and

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10** 

EXPRESS MAIL Mailing Label No. EQ096665937US
I hereby certify that this paper or fee is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated and is addressed to Mail Stop PCT, Commissioner for Patents, P. O. Box 1457 Alexandria, VA 22313-1450 on

Chad M. Hinrichs

us 23, 2006

### IAP12 Rec'd PCT/PTO 23 AUG 2006

(b) Response to International Search Report dated November 17, 2004;

This statement is believed to be in compliance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, including submission of the copies of the foreign cited references.

By this submission applicant is not admitting the materiality of these references; they are merely submitted to ensure full compliance with 37 C.F.R. § 1.56.

Respectfully submitted,

Chad M. Hinrichs

Registration No. 45,835

PTO Customer No. 28,827

GABLE & GOTWALS

100 West 5th St., 10th Floor

Tulsa, OK 74103

Tel: (918) 595-4963 Fax: (918) 595-4990

E-mail: iplaw@gablelaw.com

# 10/590333

## IAP12 Rec'd PCT/PTO 23 AUG 2006

PTO/SB/08a (07-06)
Approved for use through 09/30/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

|  |       | Substitute for form 1449A/PTO |            |        | to respond to a collection of information unless it contains a valid OMB control number.  Complete if Known |                 |  |  |  |
|--|-------|-------------------------------|------------|--------|---|-----------------|--|--|--|
|  |       |                               |            |        | Application Number  |                 |  |  |  |
|  | 11    | NEORMATION DI                 | SCLOSI     | JRE    | Filing Date   | 08/23/2006      |  |  |  |
|  |       | TATEMENT BY                   |            |        | First Named Inventor  | Michael Zhdanov |  |  |  |
|  | O     | IAILMENI DI A                 |            | 71 V I | Art Unit  |                 |  |  |  |
|  |       | (Use as many sheets as        | necessary) |        | Examiner Name   |                 |  |  |  |
|  | Shoot | 1                             | of         | 1      | Attorney Docket Number  | 007130.00013    |  |  |  |

|  |   |   | U. S. PATENT                   | DOCUMENTS  |   |
|--|---|---|--------------------------------|--|---|
| Examiner<br>Initials*  | Cite<br>No. <sup>1</sup>                | Document Number  Number-Kind Code <sup>2 (if known)</sup> | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|  |   | <sup>US-</sup> 5260661                                    | 11/09/1993                     | Vail III   |   |
|  |   | <sup>US-</sup> 5652519                                    | 07/29/1997                     | Warren et al.                                      |   |
|  | ~11 F++++++++++                         | <sup>US-</sup> 5999883                                    | 12/07/1999                     | Gupta et al.                                       |   |
|  | 45 E " 5 P40 55 B4 P4000 - 14 = 14 +    | <sup>US-</sup> 6147496                                    | 11/14/2000                     | Strack et al.                                      |   |
| nga ngapa kal da g a nga ngapagang dapad da da da na na na na na   | - 222 - 242 244 244 242 244 244 244 244 | <sup>US-</sup> 2003/0011371                               | 01/16/2003                     | Rosthal et al.                                     |   |
| Market State of the State State of Stat | ****                                    | <sup>US-</sup> 2003/0030439                               | 02/13/2003                     | Gao et al.   |   |
| 14 544 444 Viron on bod 21 5 <del>172 188 18</del> 18 4 4  | · 15 M 4 m 40 40 FT 566 profes          | <sup>US-</sup> 5666057                                    | 09/09/1997                     | Beard et al.                                       |   |
| na pády pytekka k a na na marikkanki kra ú k egun v  | - 4440-44441 440-11-11-140-             | <sup>US-</sup> 5781436                                    | 07/14/1998                     | Forgang et al.                                     |   |
|  |   | <sup>US-</sup> 5886526                                    | 03/23/1999                     | Wu   |   |
|  |   | <sup>US-</sup> 5966013                                    | 10/12/1999                     | Hagiwara   |   |
|  |   | <sup>US-</sup> 5999883                                    | 12/07/1999                     | Gupta et al.                                       |   |
|  |   | US- 6393364   | 05/21/2002                     | Gao et al.   |   |
|  |   | <sup>US-</sup> 6556016                                    | 04/29/2003                     | Gao et al.   |   |
|  |   | US-   |                                |  |   |

| FOREIGN PATENT DOCUMENTS                   |      |   |   |  |   |    |  |
|--|------|---|---|--|---|----|--|
| Examiner                                   | Cite | Foreign Patent Document   | Publication Date                        | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | e  |  |
| Initials*                                  | No.' | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | MM-DD-YYYY                              |  |   | T° |  |
|  |      | Resp to ISR   | 11/17/2004                              |  |   |    |  |
|  |      | Intl Search Rpt   | 09/02/2004                              |  |   |    |  |
| ***************************************    |      |   |   |  |   |    |  |
| 3/410 <del>140</del> 01400000000121        |      |   | *************************************** |  |   |    |  |
| <b>70 8668</b> 0 puvbero 00 p46 <i>5</i> s | •••• | (1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |   |  | ••••••••••••••••••••••••••••••••••••••  |    |  |

|           |  |            | <u> </u> |
|-----------|--|------------|----------|
| Examiner  |  | Date       |          |
| Signature |  | Considered |          |
|           |  |            |          |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.